



The 18th Annual Scientific Meeting of Indonesian Association of Plastic Reconstructive and Aesthetic Surgeons (InaPRAS)

Updates in Plastic Reconstructive and Aesthetic Surgery Towards AFTA 2015

30 April - 3 May 2014, Novotel Hotel, Bogor

Updates in Plastic Reconstructive and Aesthetic Surgery
18th Annual Scientific Meeting of InaPRAS, 2014

ABSTRACT & PROGRAM BOOK



The 18th Annual Scientific Meeting of Indonesia Association of Plastic Reconstructive and Aesthetic Surgeons (InaPRAS)

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WELCOME MESSAGE

Colleagues and friends,

On behalf of the committee, I am proud to announce to you all that the "18th Annual Scientific Meeting of Indonesian Association of Plastic Reconstructive and Aesthetic Surgeon" will be host by InaPRAS Jakarta, from 29 April 2014 until 3 May 2014. The theme chosen for this meeting is "Updates in Plastic Reconstructive and Aesthetic Surgery Towards AFTA 2015".

Asean Free Trade Area (AFTA) is a trade bloc agreement by the Association of Southeast Asian Nations supporting local manufacturing in all ASEAN countries. The primary goals of AFTA are to increase ASEAN's competitive edge as a production base in the world market and to attract more foreign direct investment to ASEAN.

The symposium and organization meeting will be held in Novotel Bogor, a retreat from the heart of Jakarta and reachable in approximately one hour from Jakarta. We would like to drive you away from crowded Jakarta to Novotel Bogor Hotel, which is set on the feet of many mountains. Furthermore, there are many sights that you and your family can visit, such as Bogor Botanical Garden, Indonesia Safari Park, Puncak Highland, etc.

During the day we will be busy learning and updating our knowledge, discussing, and sharing. We certainly hope that all of you will share your experiences, case reports, serial cases, innovations, and research. We hope that more of InaPRAS member will be able to participate as speaker in this event. We will also invite speakers and participants from abroad. During the night is time for us to relax, talk to friends and have nostalgia of the past, and enjoy the delicious and famous food from Bogor.

On behalf of the organizing committee, I would like to invite you and your family to the "18th Annual Scientific Meeting of Indonesian Association of Plastic Reconstructive and Aesthetic Surgeon (InaPRAS)". We hope that colleagues will find the meeting interesting, informative, enjoyable, and unforgettable. We will keep you update on about this event, so please do not hesitate to contact us if you have require of any assistance. Finally, my warmest regards to you all and looking forward to meeting you soon.

Sincerely,

dr. Budiman, SpBP-RE

General Chairman of 18th Annual Scientific Meeting of InaPRAS



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ALTERATION OF IMMUNOHISTOCHEMICAL STAIN STRUCTURE (EPIDERMAL GROWTH FACTOR RECEPTOR) SURROUNDING RAT SKIN WOUND Handriani I; Perdanakusuma.D.S; Budi. A.S	97	THE EFFICACY OF NAM IN OUR CLEFT CENTER N Anindhawati, K Bangun, G Soedjatmiko	103
THE OUTCOME OF USING 3M STRIP* ADHESIVE SKIN TAPES ON FACIAL LACERATION WOUND I Aulia*, K Bangun	98	EFFECT OF PLATELET RICH PLASMA (PRP) ON AUTOLOGOUS BONE GRAFTING IN MAXILLARY DEFECTS: AN EXPERIMENTAL STUDY IN RABBITS *S I Wahdini*; M Hutagalung; ID Saputro	104
THE VALIDITY AND RELIABILITY OF THE BURN CASE 3D™ APPLICATION VERSUS THE LUND-BROWDER CHART IN ESTIMATING TOTAL BURN SURFACE AREA AT BURN UNIT CIPTOMANGUNKUSUMO HOSPITAL I FHakim*, A Wardhana	99	EPIDEMIOLOGY OF PEDIATRIC BURN UNDERGOING INTENSIVE CARE IN BURN UNIT CIPTOMANGUNKUSUMO HOSPITAL 2011-2012 T. M. Atmaja, A. Wardhana, R. R. Natasha;	105
COMPARISON OF POSTAGE STAMP SPLIT-THICKNESS SKIN GRAFT VERSUS MESHED SPLIT-THICKNESS SKIN GRAFT AS WOUND COVERAGE FOR EXTENSIVE BURN: A PROSPECTIVE STUDY M Muzakkie*, A Wardhana	100	AVOIDING SKIN NECROSIS IN SODIUM BICARBONATE EXTRAVASATION : AN EXPERIMENTAL STUDY IN RATS Pujisriyani Prawoto, Aditya Wardhana	106
ENZYMATIC DEBRIDEMENT OF BROMELAIN-GEL ON FULL-THICKNESS SKIN BURNS OF RATS- Mulyadi*, A Wardhana	101	THE EVALUATION OF FREE VASCULARIZED FIBULAR FLAP IN MANDIBULAR RECONSTRUCTION Kristaninta Bangun, MD,	107
AESTHETIC PERCEPTION OF SECONDARY RHINOPLASTY USING TWO TECHNIQUES N Anindhawati*, K Bangun, G Soedjatmiko	102	EFEKTIFITAS KONSENTRAT PLATELET RICH PLASMA (PRP) TERHADAP LUKA BAKAR DERAJAT DUA DALAM (2B) PADA KELINCI Wibisono.A; Noer.M.S; Rizaliyana. S	109



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EFFECT OF PLATELET RICH PLASMA (PRP) ON AUTOLOGOUS BONE GRAFTING IN MAXILLARY DEFECTS: AN EXPERIMENTAL STUDY IN RABBITS

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Introduction: The application of bone graft has increased significantly since the invention of extreme and radical methods in craniofacial surgery. In Dr. Soetomo Hospital, we have used autogenous bone graft for patients with cleft and facial fractures. This procedure is sometimes complicated by infection, bone graft absorption and chronic pain. To overcome these issues, several researches have been done on PRP which indicated that the combination of PRP with bone graft significantly promoted bone healing and bone remodeling.

Objective: This study will histologically analyze the healing of autogenous bone graft with or without platelet rich plasma (PRP) in bony defects surgically created in maxillae of rabbits.

Method: Bilateral resection defects will be surgically created in the maxillae of 14 male albino rabbits. These defects will be divided into two groups: the first group consisting of right-sided defects will be filled only with autogenous bone graft, and the second group consisting of left-sided defects will be filled with autogenous bone graft combined with PRP. The animals will be euthanized on day 7 and day 21 post-surgery. The concentration of osteoblast and collagen will be assessed histologically. Data will be analyzed statistically using ANOVA test followed by Bonferroni's post hoc test when variances across groups will be equal or by Dunnett's T3 post hoc test when variances will be unequal. Variance equality will be tested by statistically. ($P < 0.05$) will be considered to be statistically significant.

Keywords: Platelet Rich Plasma, Bone Graft, Osteoclast, Osteoblast